

Substitute PTO/SB/08A (07-05)

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Substitute for form 1449A/PTO (Modified)		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/820,466
		Filing Date	03-31-2004
		First Named Inventor	Desjarlais
		Art Unit	1631 Conf. 7266
		Examiner Name	Jerry Lin
Sheet 1 of 6	Attorney Docket Number	Docket 067461-5118-US.	

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date- MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
J/L	A1	US20020048772	04-25-2002	Dahiyat	
	A2	US20020119492A1	08-29-2002	Chirino	
	A3	US20050180948A1	08-15-2005	Desjarlais	
	A4	US2005-0221443A1	10/06/2005	Desjarlais	
	A5	US2002-0137022	09-26-2002	Li	
	A6	US2003-0130827A1	07-10-2003	Desjarlais	
	A7	US2003-0130827A1	07-10-2003	Desjarlais	
	A8	US2002-048772A1	04-25-2002	Dahiyat	
	A9	US2003-0036854A1	02-20-2003	Desjarlais	
	A10	US2003-0027285A1	01-30-2003	Chirino	
	A11	09/945,150	08-31-2001	Dahiyat	
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	A13	5183550	02-02-1993	Matthieson	
	A14	5446090	08-29-95	Harris	
	A15	5672662	09-30-1997	Harris	
	A16	5766581	06-16-1998	Bentley	
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	A19	5919455	07-06-1999	Greenwald	
	A20	5932462	08-03-1999	Harris	
	A21	5985236	11-16-1999	Khan	
	A22	5985263	11-16-1999	Lee	
	A23	5990237	11-23-1999	Bentley	
	A24	6113906	09-05-2000	Greenwald	
V	A25	6188,965	02-13-2001	Mayo	

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/JL/	A26	6214966	04-10-2001	Harris		
	A27	6258351	07-10-2001	Harris		
	A28	6269312	07-31-2001	Mayo		
	A29 †	6226603B1	05-01-2001	Freire		
	A30	6340742	01-22-2002	Burg		
	A31	6403,312	06-11-2002	Dahiyat		
	A32	6413507	07-02-2002	Bentley		
	A33	6420339	07-16-2002	Gegg		
	A34	6437025	08-20-2002	Harris		
	A35	6448369	09/10/2002	Bentley		
	A36	6461802	10/08/2002	Van Thillo		
	A37	6495659	12-17-2002	Bentley		
	A38	6708,120	03-16-2004	Mayo		
	A39	6807,120	05-24-2005	Trapp		
	A40	7056695	06-06-2006	Dahiyat		
	A41	7101974	09-05-2006	Dahiyat		
	A42	7231328	06-12-2007	Desjarlais		
	A43	7244823	07-17-2007	Dahiyat		
✓	A44	7315786	01-01-2008	Dahiyat		
	A45	7315786	01-01-2008	Dahiyat		

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/JL/	B1	EP 01064951	01-03-2001	F. Hoffman-La Roche AG		
/JL/	B2	EP0822199A2	02-04-1998	Amgen, Inc.		

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/JL/	B3	PCT/US01/40091 (WO2001059066)	08-16-2001	Xencor, Inc.	
	B4	PCT/US98/07254 (WO199847089)	10-22-1998	California Institute of Technology	
	B5 †	WO 1998/59244A	12-30-1998	Ectagen Limited	
	B6	WO 2001/21823	03-29-2001	The Mathilda & Terence Kennedy Institute of Rheumatology	
	B7	WO 2001/87925A2	11-22-2001	Bolder Technology, Inc.	
	B8	WO 2002/00165	01-03-2002	Bakulesh Mafatal	
	B9	WO 2002/25588	03-28-2002	MD Online, Inc.	
	B10 †	WO 2002/073193A	09-19-2002	WO 2002/073193A	
	B11	WO 200249673A2	06-27-2002	F. Hoffman La-Roche AG	
	B12	WO 200176640	10-18-2001	Amgen, Inc.	
✓	B13	WO 199428024A1	12-08-1994	Enzon, Inc.	

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			†
/JL/	C1	Bailon, P. et al. (2001) "Rational design of a potent, long-lasting form of interferon: a 40-kDa-branched polyethylene glycol-conjugated interferon alpha-2a for the treatment of hepatitis C" <i>Bioconjug. Chem.</i> 12, 195-202			
	C2	Chin et al., 2003, "An Expanded Eukaryotic Genetic Code" <i>Science</i> , 301(5635): 964-7			
	C3	Chin et al., 2003, "Progress Toward an Expanded Eukaryotic Genetic Code" <i>Chem Biol.</i> 10(6):511-9			
	C4	DeMaeyer et al., 1997, "All in One: A highly detailed rotamer library improves both accuracy and speed in the modelling of sidechains by dead-end elimination" <i>Folding and Design</i> 2:53-66			
	C5	Desjarlais & Berg, 1992, "Redesigning the DNA-Binding Specificity of a Zinc Finger Protein: A Data Base-Guided Approach" <i>Proteins</i> 12(2):101-4			
✓	C6	Desjarlais & Berg, 1993, "Use of a zinc-finger consensus sequence framework and specificity rules to design specific DNA binding proteins" <i>Proc Natl Acad Sci USA</i> 90(6):2256-60			

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), data, page(s), volume-issue number(s), publisher, city and/or country where published	1 ²
JL	C7	Desmet, et al., 2002, "Fast and Accurate Side-Chain Topology and Energy Refinement (FASTER) as a New Method for Protein Structure Optimization" <i>Proteins</i> , 48:31-43	
	C8	Dunbrack & Cohen, 1997, "Bayesian statistical analysis of protein side-chain rotamer preferences" <i>Protein Science</i> 6:1661-1681	
	C9	Ewert et al., 2003, "Biophysical Properties of Human Antibody Variable Domains" <i>J Mol Biol</i> 325:531-553	
	C10	Filikov et al., 2002, "Computational stabilization of human growth hormone" <i>Protein Sci</i> 11:1452-1461	
	C11 *	Ginalski et al., 2005, "Practical Lessons from Protein Structure Prediction", <i>Nucleic Acids Research</i> 33:6, 1874-1891	
	C12	Gordon & Mayo, 1999, "Branch-and-Terminate: a combinatorial optimization algorithm for protein design" <i>Structure Fold Des</i> 7:1089-98	
	C13	Henikoff & Henikoff, 1994, "Position-based Sequence Weights" <i>J Mol Biol</i> 243(4):574-8	
	C14	Henikoff & Henikoff, 2000, "Amino Acid Substitution Matrices" <i>Adv Protein Chem</i> 54:73-97	
	C15	Johnson & Wu, 2000, "Kabat Database and its applications: 30 years after the first variability plot" <i>Nucleic Acids Res</i> 28:214-218	
	C16	Johnson & Wu, 2001, "Kabat Database and its applications: future directions" <i>Nucleic Acids Res</i> 29:205-206	
	C17	Kinstler, O. et al. (2002) "Mono-N-terminal poly(ethylene glycol)-protein conjugates" <i>Adv. Drug Deliv. Rev.</i> 54, 477-485	
	C18	Kirkpatrick et al., 1983, "Optimization by Simulated Annealing" <i>Science</i> , 220:671-680	
	C19	Lefranc et al., 1999, "IMGT, the international ImMunoGeneTics database" <i>Nucleic Acids Res</i> 27:209-212	
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✓	C22	Lefranc et al., 2003, "IMGT, the international ImMunoGeneTics database" <i>Nucleic Acids Res</i> 31:307-310	

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/JL/	C23	Lehmann & Wyss, 2001, "Engineering proteins for thermostability: the use of sequence alignments versus rational design and directed evolution" <i>Curr Opin Biotechnol</i> 12(4): 371-5	
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	C25	Lehmann et al., 2000, "The consensus concept for thermostability engineering of proteins" <i>Biochim Biophys Acta</i> 1543(2):408-415	
	C26	Lovell et al., 2000, "The Penultimate Rotamer Library" <i>Proteins: Structure Function and Genetics</i> 40:389-408	
	C27	Luo et al., 2002, "Development of a cytokine analog with enhanced stability using computational ultrahigh throughput screening" <i>Protein Sci</i> 11:1218-1226	
	C28	Mendes et al., 1999, "Improved Modeling of Side-Chains in Proteins with Rotamer-Based Methods: A Flexible Rotamer Model" <i>Proteins: Structure, Function, and Genetics</i> 37:530-543	
	C29	Metropolis et al., 1953, "Equation of State Calculations by Fast Computer Machine" <i>J Chem Phys</i> 21:1087	
	C30	Morea et al., 2000, "Antibody Modeling: Implications for Engineering and Design" <i>Methods</i> 20:267-269	
	C31	Ponder & Richards, 1987, "Tertiary Templates for Proteins Use of Packing Criteria in the Enumeration of Allowed Sequences for Different Structural Classes" <i>J Mol Biol</i> 193:775-791	
	C32	Raha et al., 2000, "Prediction of Amino acid sequence from structure" <i>Protein Sci</i> 9:1106-1119	
	C33	Rath & Davidson, 2000, "The design of a hyperstable mutant of the Abp1p SH3 domain by sequence alignment analysis" <i>Protein Sci</i> , 9(12):2457-69	
	C34	Roberts, M.J. et al. (2002) "Chemistry for peptide and protein PEGylation" <i>Adv. Drug Deliv. Rev.</i> 54, 459-476	
	C35	Ruiz et al., 2000 "IMGT, the international ImmunoGeneTics database" <i>Nucleic Acids Re.</i> 28:219-221	
	C36	Simon et al., "Peptoids: A modular approach to drug discovery" <i>PNAS USA</i> 89(20):9367 (1992)	
V	C37	Tuffery et al., 1991, "A New Approach to the Rapid Determination of Protein Side Chain Conformations" <i>J Biomol Struct Dyn</i> 8:1267-1289	

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/JL/	C38	Wang, Y.S. et al. (2002) "Structural and biological characterization of PEGylated recombinant interferon alpha-2b and its therapeutic implications. <i>Adv. Drug Deliv. Rev.</i> 54, 547-570			

1-SF/7664677.1

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